ORIGINAL (Red)

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
207 WEST MAPLE AVENUE
FAYETTEVILLE, WV 25840

October 22, 1993

Steve Jarvela, Sr.OSC (3HW30)
Environmental Protection Agency, Region 3
841 Chestnut Bldg.
Philadelphia, PA 19107

Mr. Jarvela:

In response to your telephone calls to our office requesting assistance on sediment & erosion control, and storm water management, I met with Hironmoy Sikdar, rep. site contractor for testing on October 20, 1993, at the former Shaffer equipment site in Minden, WV.

We viewed the site with other state and private consultants that afternoon. We reviewed existing surface water control structures and accessed the area for additional erosion control protection that may be needed.

It appears that most of the surface water from above the site is being intercepted by the existing diversion ditch along the base of the slope to the south. However, additional surface water is also entering the site from the westerly side of the property. This storm water flow is currently crossing the upper end of the site creating small rills and gullies and eventually entering Arbuckle Creek at a point adjacent to the building. There also appears to be an existing sewer line crossing the site, that leaks a significant amount of water out at times, creating additional rills and gullies that enters Arbuckle Creek. Existing vegetation on the site is doing a fair to good job of protecting the surface from erosion. Other areas seem to be protected by armoring with gravel, etc..

In order to provide additional erosion control protection to the site, I would offer the following recommendations. The existing sewer line needs to be repaired, in order to eliminate these additional flows. Additional surface water control ditches could be installed around the outside of the upper end of the property, to intercept this storm water and divert it to a suitable outlet. The diking along Arbuckle Creek could be improved and/or repaired with pipe culvert outlets installed as appropriate, to provide additional protection from flooding and scouring of the site during major storm events.

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The existing vegetation could be improved by applying additional lime, fertilizer, and seed as necessary, and by installing temporary straw bale sediment traps, in order to help reduce the detachment or transport of any sediment from off the site.

This information is being provided to you as a service of the local Southern Soil Conservation District. If you have any questions, or desire additional assistance, please feel free to call me at (304) 574-3740.

F. William Harris

F. William Harris
District Conservationist

cc: Kelley Sponaugle, Area Conservationist, Beckley, WV